

## Simultaneous Equations Worksheet

### *Ex 1.*

$$\begin{aligned}3x + y &= 7 \\ 2x - y &= 3\end{aligned}$$

$$\begin{aligned}x + y &= 12 \\ x - y &= 2\end{aligned}$$

$$\begin{aligned}8x + 3y &= 8 \\ 5x - 3y &= 5\end{aligned}$$

$$\begin{aligned}11x + 3y &= 5 \\ 7x - 3y &= 13\end{aligned}$$

$$\begin{aligned}8x + 6y &= 2 \\ 2x - 6y &= 3\end{aligned}$$

$$\begin{aligned}5x + 2y &= 9 \\ 2x + 2y &= 6\end{aligned}$$

$$\begin{aligned}4x + 3y &= 11 \\ 4x + 5y &= 13\end{aligned}$$

$$\begin{aligned}10x + y &= 34 \\ 2x + y &= 10\end{aligned}$$

$$\begin{aligned}x + 3y &= 10 \\ x - y &= -2\end{aligned}$$

$$\begin{aligned}5x - 3y &= -2 \\ -5x + y &= 4\end{aligned}$$

$$\begin{aligned}4x - 3y &= 0 \\ -4x + y &= -8\end{aligned}$$

$$\begin{aligned}8x + 7y &= 7 \\ 10x - 7y &= -7\end{aligned}$$

### *Ex 2.*

$$\begin{aligned}3x + 2y &= 12 \\ 2x + y &= 7\end{aligned}$$

$$\begin{aligned}3x + 2y &= 3 \\ 2x + y &= 23\end{aligned}$$

$$\begin{aligned}6x - y &= -4 \\ 3x - 2y &= 1\end{aligned}$$

$$\begin{aligned}5x - y &= 17 \\ 2x + 3y &= 0\end{aligned}$$

$$\begin{aligned}4x + 2y &= 8 \\ x + 3y &= 2\end{aligned}$$

$$\begin{aligned}5x - 4y &= 7 \\ 7x - 2y &= 17\end{aligned}$$

$$\begin{aligned}5x + 3y &= 24 \\ x + 5y &= -4\end{aligned}$$

$$\begin{aligned}3x + 2y &= 21 \\ 2x - y &= 7\end{aligned}$$

$$\begin{aligned}8x + 3y &= 27 \\ 2x - 5y &= 1\end{aligned}$$

$$\begin{aligned}8x + 3y &= 27 \\ 2x - 5y &= 1\end{aligned}$$

$$\begin{aligned}9x + 2y &= -9 \\ 18x - 5y &= -18\end{aligned}$$

$$\begin{aligned}x + 2y &= 0 \\ 5x - 5y &= 0\end{aligned}$$